Joint Requirements Office for Chemical, Biological, Radiological, and Nuclear Defense

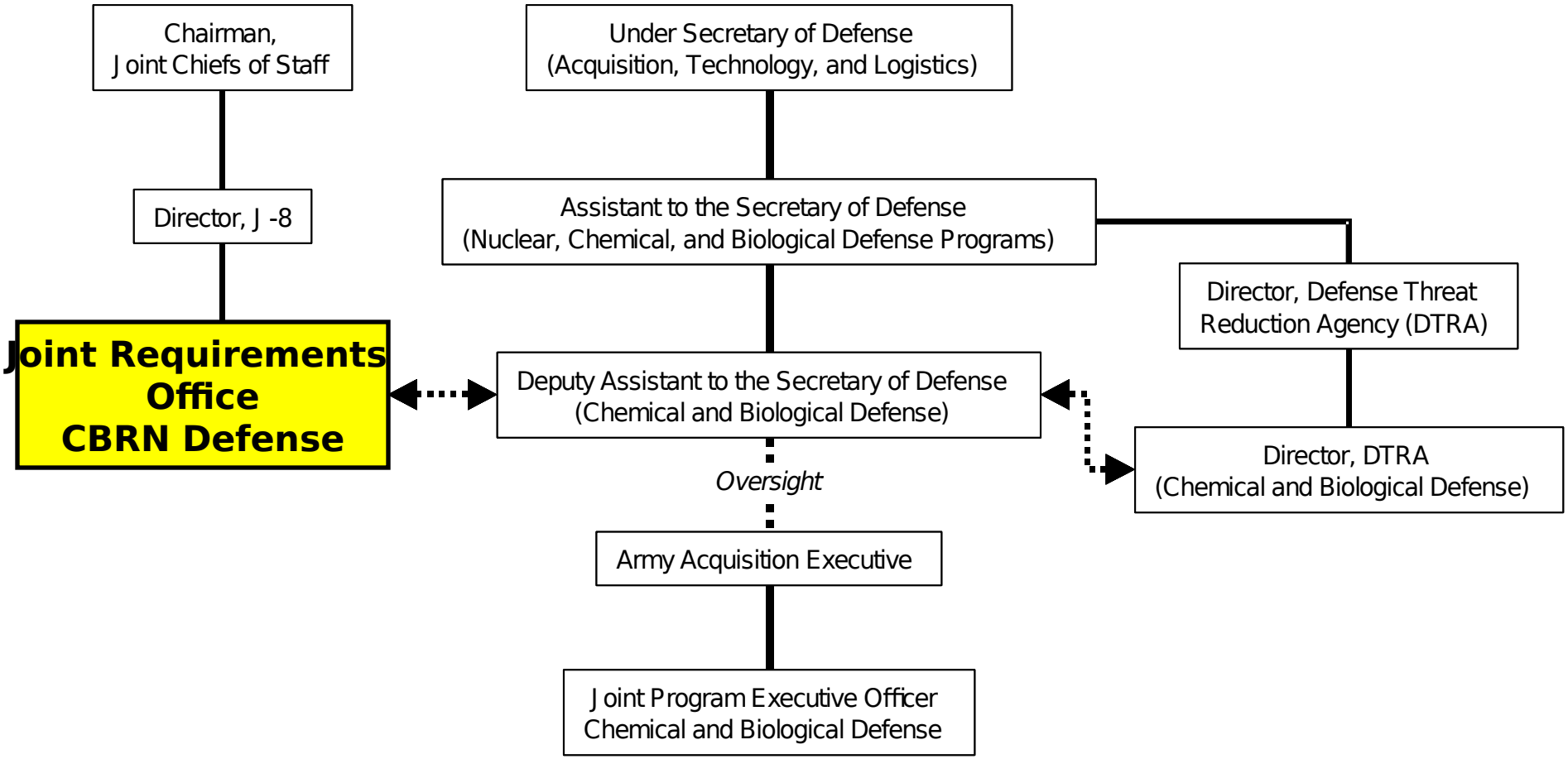
SOCOM CBRN Symposium

December 2, 2003

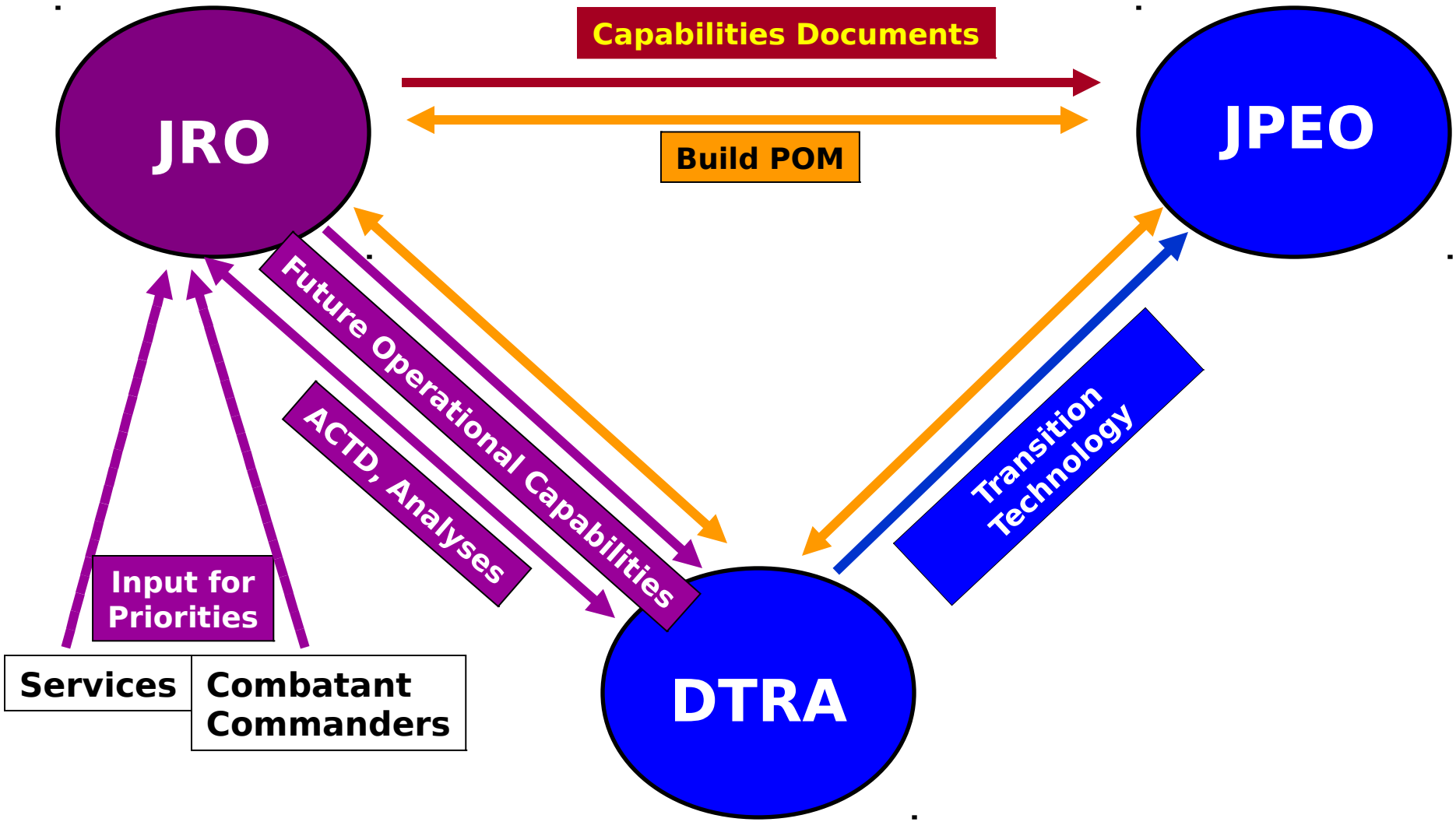
Agenda

- JRO - Overview
- JRO - Today
- Changes and Evolutions
- The Way Ahead

CBDP Management & Oversight Structure



Required Capabilities, S&T, and Acquisition



JRO-CBRN Defense Current Organization

35 Total Man-years
23 DOD & 12 Contractor

Director
ADM Michael Mathis

Tech Director (SES) -- Mr. Leonard Izzo

Deputy Director – COL Brian S. Lindan

Analysis and Demonstration Br

- Develop operational concepts and support rqmts analysis studies
- Participate in experiments and demos, ACTDs, and support DOD studies
- JS mod & sim POC
- Coordinate threat capability assessments, coordinate with intel community
- Coordinate on S&T efforts, facilitate O-49 effort, coordinate

Mission Area Integration Br

- Develop Mod Plan, Operational Capabilities, and Priorities
- ICW JPEO lead POM efforts, develop Strat Plan
- Coordinate response to external studies (GAO, DSB, DOD IG, etc)
- Coordinate on HLS and NORTHCOM
- Coordinate AT/FP and CoM offices on CBRND issues
- Resource analysis (to include coordination with JPEO

Materiel Rqmts Coord Br

- Develop CBRND rqmnts in passive defense, CoM, AT/FP, and HLS
- Manage ORDs as JROC Special Interest programs
- Service identifies needs, JRO staff facilitates development and coordination; Services validate ORDs
- Interface with PMs, T&E agencies, and Service requirements offices as required

Doctrine, Tng, and Readiness Br

- Coordinate logistics and sustainment issues,, participate in DOD CBRND operational readiness issues, monitor LD/HD CBRN assets
- Coordinate non-medical multi-service doctrine and training issues w/USACMLS and Service doctrine centers
- Coordinate medical multi-service doctrine and training issues

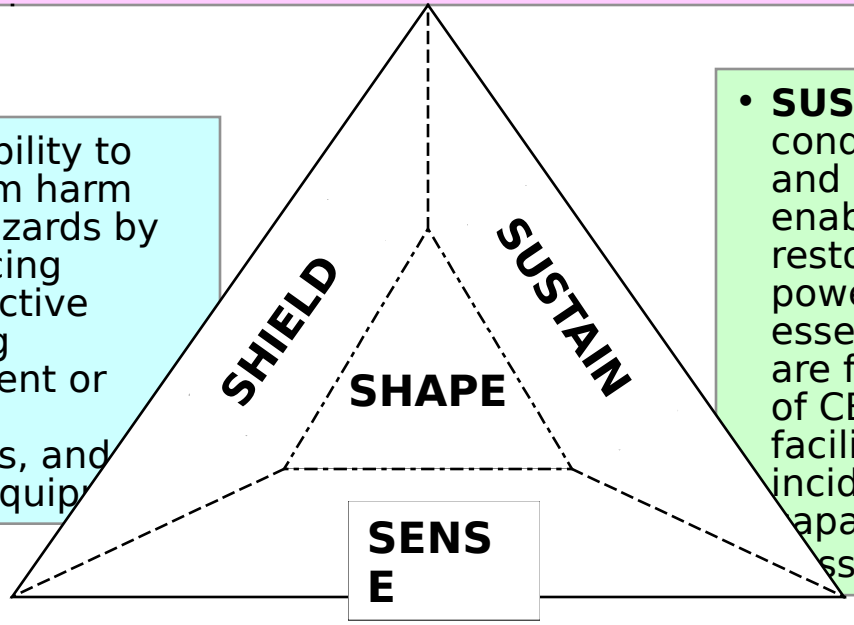
JRO – CBRN Defense Charter

- **Single office within DOD responsible for the planning, coordination, and oversight of joint CBRN defense operational requirements**
  - **Develop and maintain the CBRN defense Overarching Operational Concept and the CBRND Modernization Plan**
  - **Represent the Services and Combatant Commanders in the capabilities generation process and act as their proponent for coordinating and integrating CBRND operational capabilities for materiel and non-materiel solutions**
  - **Develop DOD CBD POM with acquisition community support**
  - **Facilitate the development of joint doctrine and training and sponsor the development of multi-service doctrine**
- **Serve as the CJCS' single source of expertise to address all issues involving CBRN defense within passive defense, consequence management, force protection, and homeland security**

Joint CBRN Defense Functional Concept – Operational Attributes

- **SHAPE –** Provides the ability to characterize the CBRN hazard to the force commander - develop a clear understanding of the current and predicted CBRN situation; collect, query, and assimilate info from sensors, intelligence, medical, etc., in near real time to inform personnel, provide actual and potential impacts of CBRN hazards; envision critical SENSE, SHIELD and SUSTAIN end states (preparation for operations); visualize the sequence of events that moves the force from its current state to those end states.

- **SHIELD –**The capability to shield the force from harm caused by CBRN hazards by preventing or reducing individual and collective exposures, applying prophylaxis to prevent or mitigate negative physiological effects, and protecting critical equip



- **SUSTAIN –** The ability to conduct decontamination and medical actions that enable the quick restoration of combat power, maintain/recover essential functions that are free from the effects of CBRN hazards, and facilitate the return to pre-incident operational apability as soon as ssible.

- **SENSE –** The capability to continually provide the information about the CBRN situation at a time and place by detecting, identifying, and quantifying CBRN hazards in air, water, on land, on personnel, equipment or facilities. This capability includes detecting, identifying, and quantifying those CBRN hazards in all physical states (solid, liquid, gas).

Materiel Requirements

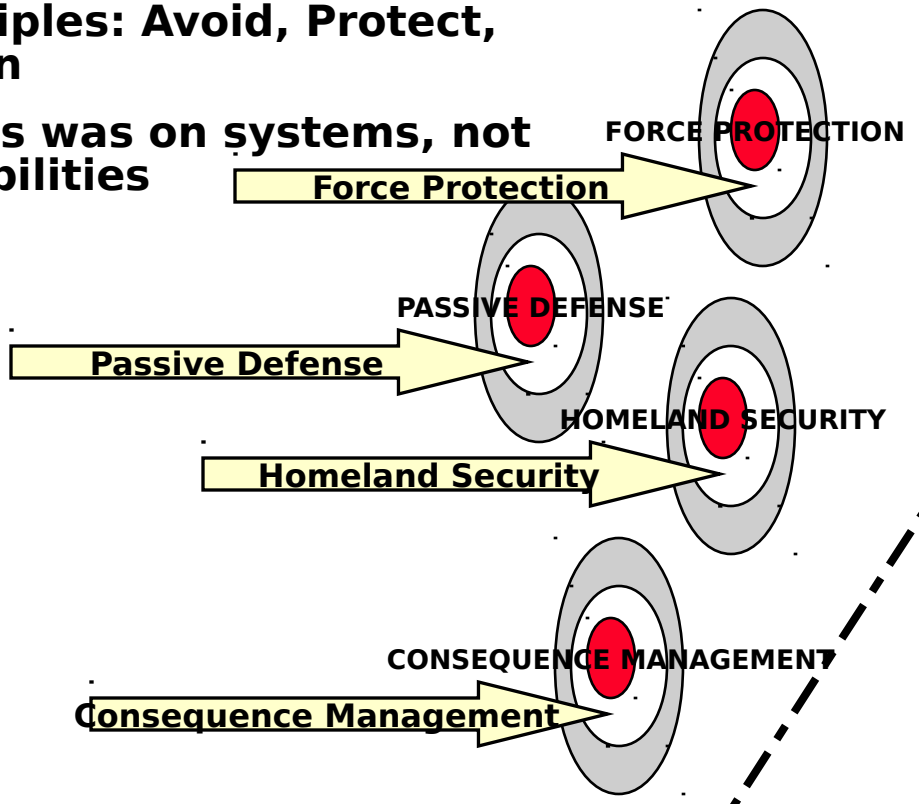
- **New Joint Capabilities Integration and Development Syste**
  - **CJCSM 3170.01 and CJCSI 3170.01C, 24 Jun 03**
  - **Drive “jointness” from the top-down, strengthening joint warfighting capabilities**
  - **Links strategic direction to strategic investment decision making and acquisition policy**
  - **Enables a more responsive acquisition system**
  - **Provides an engine for force transformation**
  - **Integrates material and non-material solutions to capability gaps and shortfalls**
  - **Frames discussions of alternatives using common language of metrics**

CBRN Defense Programs, Concepts, and Missions

PAST

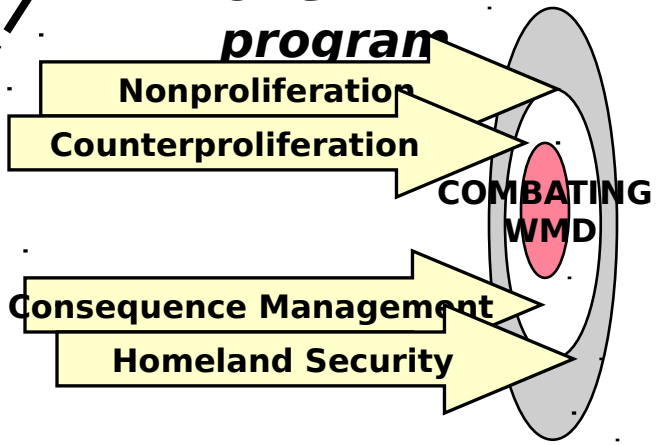
Four Programs – Not One:

- **Lack an integrated concept**
- **Program centered around principles: Avoid, Protect, Decon**
- **Focus was on systems, not capabilities**



OBJECTIVE

One program



An Integrated CBRND Architecture

JRO-CBRND Way Ahead

- Strengthening the alliance wit
  DTRA, JPEO, industry
- Using/adapting existing methodologies to
  address emerging mission are
- JRO for Combating WMD